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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 564462004000 <b>107550155</b>
INTERNATIONAL APPLICATION NO. PCT/US2004/008541	INTERNATIONAL FILING DATE 18 March 2004	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) AND YET ASSIGNED
TITLE OF INVENTION GLUCOSIDASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM		
APPLICANT(S) FOR DO/EO/US Kevin GRAY et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. (4 pages)</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U. S. APPLICATION NO. (If known, see 37 CFR 1.51) Not Yet Assigned		INTERNATIONAL APPLICATION NO. PCT/US2004/008541	ATTORNEY'S DOCKET NUMBER 564462004000																																																																																																				
20. <input checked="" type="checkbox"/> Other items or information: Copy of Request for Change of Addresses and Citizenship of Inventors as filed in IB of WIPO (3 pages) Return Receipt Postcard																																																																																																							
<p>The following fees have been submitted</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))</td> <td>\$300</td> <td>CALCULATIONS</td> <td>PTO USEONLY</td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$200</td> <td></td> <td></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td></td> <td></td> </tr> <tr> <td>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td>\$ 100.00</td> <td></td> </tr> <tr> <td>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB</td> <td>\$400</td> <td></td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$500</td> <td></td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL OF 21, 22 and 23 =</b></td> <td>\$ 600.00</td> <td></td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> <tr> <td colspan="4">Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total claims</td> <td>- 20 =</td> <td></td> <td>x</td> </tr> <tr> <td>Independent claims</td> <td>- 3 =</td> <td></td> <td>x</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b> \$ 600.00</td> </tr> <tr> <td colspan="4"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.         </td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL =</b> \$ 300.00</td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b> \$ 300.00</td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b> \$ 300.00</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be charged</td> <td>\$</td> </tr> </table>				21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))	\$300	CALCULATIONS	PTO USEONLY	22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0	\$ 200.00		All other situations	\$200			23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	\$0			Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100	\$ 100.00		International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB	\$400			All other situations	\$500			<b>TOTAL OF 21, 22 and 23 =</b>		\$ 600.00		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). 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PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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JCT7 Rec'd PCT/P10 20 SEP 2005

a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. 03-1952 in the amount of \$ 300.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.



SIGNATURE

SEND ALL CORRESPONDENCE TO:

Gregory P. Einhorn  
Morrison & Foerster LLP  
3811 Valley Centre Drive, Suite 500  
San Diego, CA 92130  
(858) 720-5133

Gregory P. Einhorn

NAME

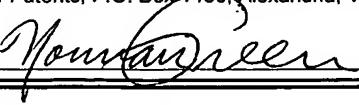
CUSTOMER NUMBER: 45975

38,440

REGISTRATION NUMBER

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 984097155 US, in an envelope addressed to: MAIL STOP PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: September 20, 2005

Signature:  (Norman Green)

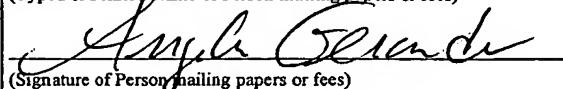
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JC17 Rec'd PCT/PTO 20 SEP 2005

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted to the International Bureau of WIPO on 14 September 2005 to facsimile number 011 41 22 338 8270.

Angela R. Gerardo

(Typed or Printed Name of Person mailing papers or fees)

  
(Signature of Person mailing papers or fees)

Attorney Docket No. 564462004040

PATENT COOPERATION TREATY  
IN THE INTERNATIONAL BUREAU OF WIPO

In the PCT application of:

DIVERSA CORPORATION

International Application No.: PCT/US2004/008541

International Filing Date: 18 March 2004 (18.03.2004)

Title: GLUCOSIDASES, NUCLEIC ACIDS ENCODING  
THEM AND METHODS FOR MAKING AND USING  
THEM

REQUEST FOR CHANGE OF ADDRESSES AND  
CITIZENSHIP OF INVENTORS  
UNDER RULE 92bis

International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20  
Switzerland

**COPY**

Dear Sir or Madam:

Applicant requests to correct the addresses and citizenship information for inventors Nahla M. ABOUSHADI and Eileen O'DONOOGHUE who are both listed in the above referenced international application.

Please correct the address for inventor Nahla M. ABOUSHADI from "3359 Elmwood Way, San Marcos, California 92069, United States of America" to "442 Lexington Circle, Oceanside, California 92057, United States of America".

Applicant further requests to correct the citizenship for inventor Nahla M. ABOUSHADI from "Egypt" to "United States". At the time of filing the PCT application on March 18, 2004, Inventor ABOUSHADI was a citizen of Egypt, but as of March 22, 2005, she became a United States citizen and we request that her citizenship information be updated accordingly.

Applicant requests to correct the address for inventor **Eileen O'DONOOGHUE** from "1073 Loring Street, San Diego, California 92107, United States of America" to "**1136 Missouri Street, San Diego, California 92109, United States of America**".

Applicant further requests to correct the citizenship for inventor **Eileen O'DONOOGHUE** from "United States" to "Canada". At the time of filing the PCT application this was a clerical error without intent to deceive or mislead the International Bureau.

Attached for your files, please find replacement sheet 2 of the PCT Request which reflects the updated/corrected information for both inventors as noted above.

It is believed that no fee is due in connection with this request. Please contact me in the event any fee variance does exist.

Thank you for your attention to this matter. Please contact me with any questions.

Dated: 14 September 2005

Respectfully submitted,

By:

Gregory P. Einhorn, Reg. No. 38,440

Morrison & Foerster LLP  
3811 Valley Centre Drive, Suite 500  
San Diego, California 92130  
United States of America  
Telephone: (858) 720-5133  
Facsimile: (858) 720-5125

COPY

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

GARRETT, James B.  
13605 Sycamore Tree Lane  
Poway, California 92064  
United States of America

This person is:  
 applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)  
 Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
USThis person is applicant  all designated  all designated States except  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ABOUSHADI, Nahla M.  
442 Lexington Circle  
Oceanside, California 92057  
United States of America

This person is:  
 applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)  
 Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
USThis person is applicant  all designated  all designated States except  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

KNOWLES, Ryan  
1342 Tamarisk Grove Drive  
Chula Vista, California 91915  
United States of America

This person is:  
 applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)  
 Applicant's registration No. with the Office

State (that is, country) of nationality:  
USState (that is, country) of residence:  
USThis person is applicant  all designated  all designated States except  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

O'DONOGHUE, Eileen  
1136 Missouri Street  
San Diego, California 92109  
United States of America

This person is:  
 applicant only  
 applicant and inventor  
 inventor only (If this check-box is marked, do not fill in below.)  
 Applicant's registration No. with the Office

State (that is, country) of nationality:  
CAState (that is, country) of residence:  
USThis person is applicant  all designated  all designated States except  the United States of America only  the States indicated in the Supplemental Box for the purposes of:

COPY